CORRECTION

Correction to: Characterization of oogonia stem cells in mice by Fragilis

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In the original publication the labelling on Fig. 2A and B were incorrectly published as E7.5. The correct labelling of Fig. 2A and B should be read as E17.5 which is provided in this correction.

◀ **Figure 2. Neo-meiosis and functional test of oocytes developed from *Fragilis*⁺ cells.** (A) Immunofluorescence of SCP1 (red) and SCP3 (green, appear as yellowish by merge with SCP1) showing pachytene spread of E12.5 *Fragilis*⁺ cells obtained from aggregates with fetal E12.5 somatic cells 6 days following transplantation, compared with those of E17.5 ovaries. Right panel, Percentage of synaptonemal complex elements based on count of spread at pachytene ($n = 22$). Scale bar = 5 μm . (B) Representative immunofluorescence of MLH1 foci at pachytene stage by co-immunostaining of SCP3 (red) and MLH1 (green). Right panel, Statistics of MLH1 foci represents 20 spread per each group. Scale bar = 5 μm . (C) Morphology of reconstituted ovaries 28 days following transplantation of E12.5 *Fragilis*⁺ cells aggregated with E12.5 gonadal somatic cells into kidney capsules of ovariectomized mice ($n = 8$). Scale bar = 1 mm (upper panel). Middle panel, Follicles are shown in sections by H&E staining. Scale bar = 100 μm . Bottom panel, Co-immunostaining of GFP (green) and Vasa (red) in reconstituted ovaries. BF, bright-field. Nuclei were stained in blue by Hoechst. Scale bar = 100 μm . (D) Morphology of grafts 28 days following kidney capsule transplantation of 6-week *Fragilis*⁺ cells aggregated with E12.5 gonadal somatic cells ($n = 3$). No follicles but GFP⁺ somatic cells are seen. (E) Morphology of GV oocytes isolated from reconstituted ovaries developed from E12.5 *Fragilis*⁺ cells aggregated with E12.5 gonadal somatic cells, and 2-cell embryos following *in vitro* maturation (IVM) and fertilization (IVF). (F) Immunofluorescence of SCP1 (red) and SCP3 (green) in aggregates obtained from 6-week old *Fragilis*⁺ cells with fetal E12.5 gonadal somatic cells 6 days following transplantation. Scale bar = 10 μm . (G–I) Transcriptome of *Fragilis*⁺ and *Fragilis*[−] cells sorted from E12.5 ovaries and *Fragilis*⁺ cells from 6-week old mouse ovaries. (G) TSNE of global gene expression profiles of *Fragilis*⁺ cells sorted from fetal ovaries (E12.5 Fra⁺), *Fragilis*[−] cells sorted from fetal ovaries (E12.5 Fra[−]) and *Fragilis*⁺ cells sorted from 6-week ovaries (6W Fra⁺). (H) Scatter plots comparing transcriptome among these three cell populations. Parallel diagonal lines indicate threshold in expression difference. Red, up-regulated genes in E12.5 Fra⁺ cells; blue, down-regulated genes in E12.5 Fra[−] or in 6W Fra⁺ cells. (I) Heatmap highlighting gene expression profile of germ cells, proliferation and gonad somatic cells.

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